

Data File : VW014386.D
Acq On : 17 Dec 2019 12:25
Operator : SY/VA
Sample : K6270-12
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETK88

Quant Time: Dec 18 01:40:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 18 01:35:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	9174	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	3664	25.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	13.57	152	893	25.00	ug/L	0.01

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	4966	35.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	143.00%
7) Chloroethane-d5	2.90	69	4581	44.35	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	177.40%#
10) 1,1-Dichloroethene-d2	4.03	63	6258	25.50	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.00%
20) 2-Butanone-d5	7.05	46	22	0.61	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1.22%#
24) Chloroform-d	7.65	84	8854	37.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	151.64%#
26) 1,2-Dichloroethane-d4	8.31	65	6028	49.22	ug/L	0.01
Spiked Amount	25.000	Range	70 - 130	Recovery	=	196.88%#
29) Benzene-d6	8.28	84	13556	63.13	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	252.52%#
33) 1,2-Dichloropropane-d6	9.27	67	4914	74.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	297.52%#
37) Toluene-d8	10.32	98	6719	34.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	138.40%#
38) trans-1,3-Dichloropropene-	10.58	79	686	24.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.00%
39) 2-Hexanone-d5	10.93	63	233	17.74	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	35.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	3727	69.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	276.92%#
61) 1,2-Dichlorobenzene-d4	13.86	152	1094	32.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	128.24%#

Target Compounds

					Qvalue
3) Chloromethane	2.28	50	128	1.459 ug/L	84
8) Chloroethane	2.87	64	49	0.660 ug/L #	44
13) Acetone	4.16	43	182	5.214 ug/L	67
15) Methyl Acetate	4.55	43	56	0.848 ug/L #	51
18) trans-1,2-Dichloroethene	5.29	96	67	0.511 ug/L #	1
21) 2-Butanone	7.15	43	104	2.219 ug/L #	47
27) 1,2-Dichloroethane	8.29	62	95	0.633 ug/L #	70
30) Cyclohexane	7.95	56	319	3.488 ug/L #	71
34) Benzene	8.31	78	117	0.504 ug/L	100
35) Trichloroethene	8.85	95	86	1.449 ug/L #	2
36) Methylcyclohexane	9.32	83	79	0.792 ug/L #	1
40) 1,2-Dichloropropane	9.28	63	229	3.842 ug/L #	85
41) Bromodichloromethane	9.34	83	119	1.643 ug/L #	25
42) cis-1,3-Dichloropropene	10.04	75	45	0.504 ug/L #	43
44) Toluene	10.40	91	214	0.880 ug/L	81
45) trans-1,3-Dichloropropene	10.58	75	95	1.315 ug/L #	43
49) 2-Hexanone	10.95	43	124	4.432 ug/L #	37

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121719\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Wed Dec 18 01:35:45 2019
Response via : Initial Calibration

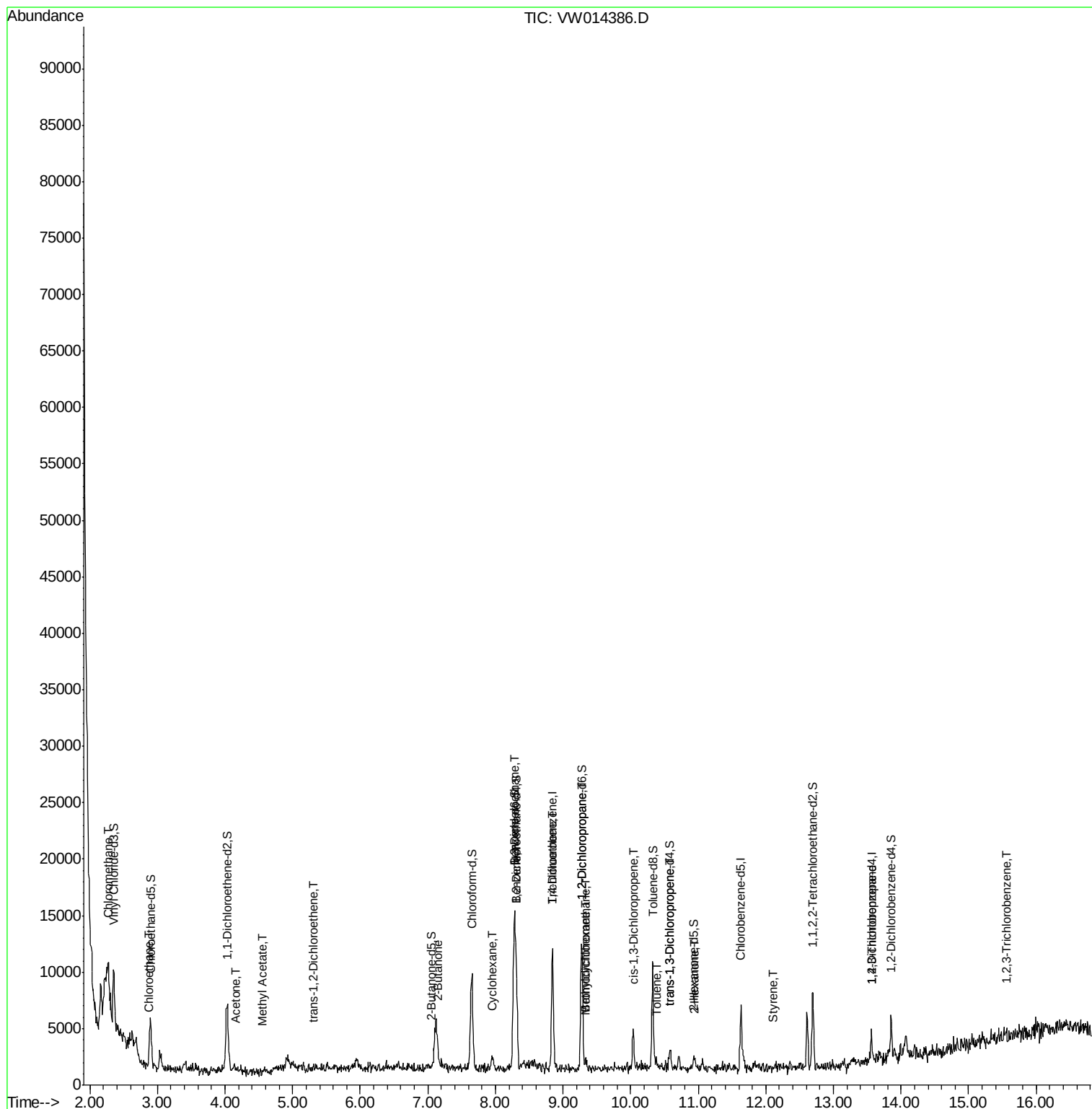
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Styrene	12.10	104	51	0.310	ug/L #	32
59) 1,2,3-Trichloropropane	13.56	75	147	3.569	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	69	2.186	ug/L #	4

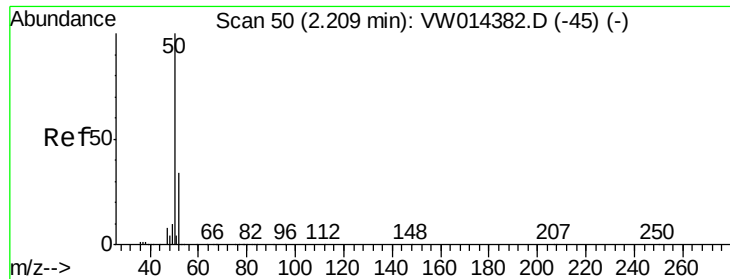
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.459 ug/L

RT: 2.28 min Scan# 61

Delta R.T. 0.07 min

Lab File: VW014386.D

Acq: 17 Dec 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

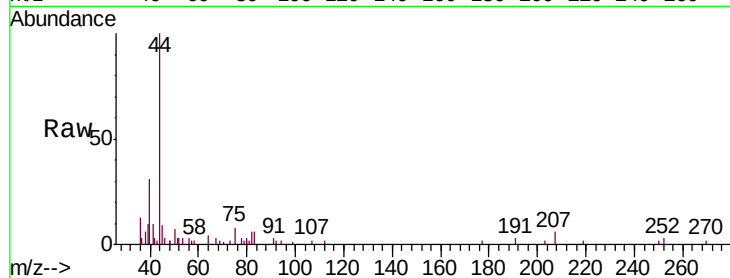
ETK88

Tgt Ion: 50 Resp: 128

Ion Ratio Lower Upper

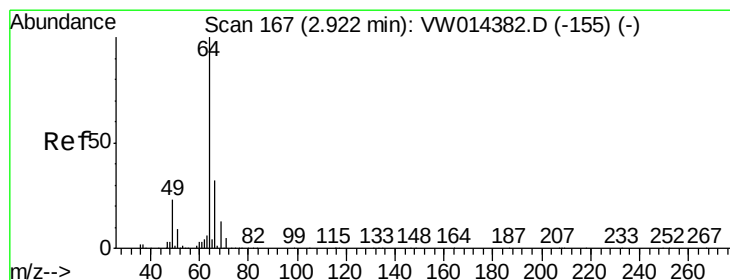
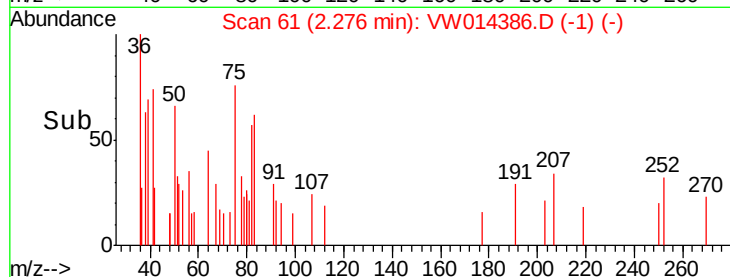
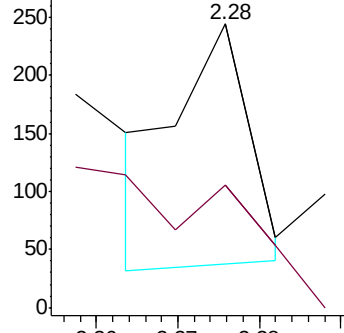
50 100

52 43.0 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW



#8

Chloroethane

Concen: 0.660 ug/L

RT: 2.87 min Scan# 158

Delta R.T. -0.05 min

Lab File: VW014386.D

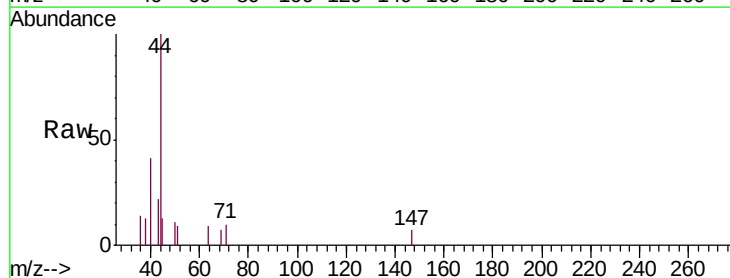
Acq: 17 Dec 2019 12:25

Tgt Ion: 64 Resp: 49

Ion Ratio Lower Upper

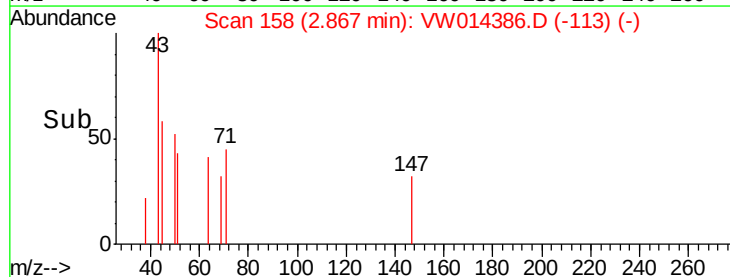
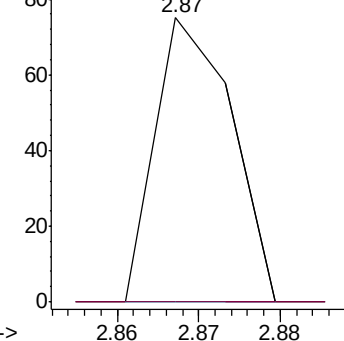
64 100

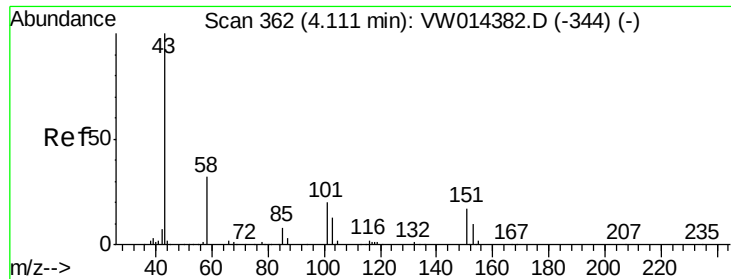
66 0.0 21.2 39.4#



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

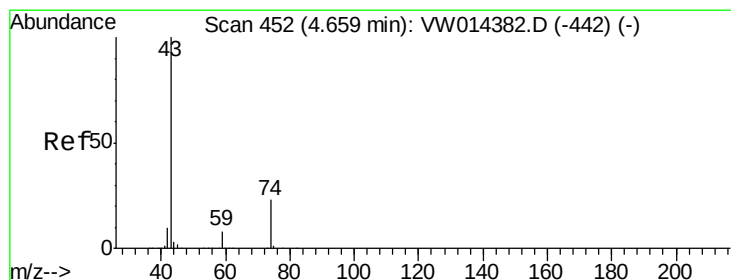
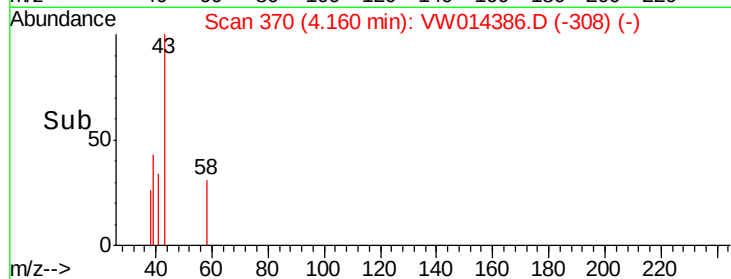
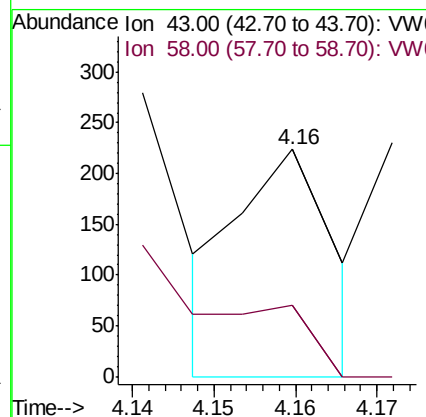
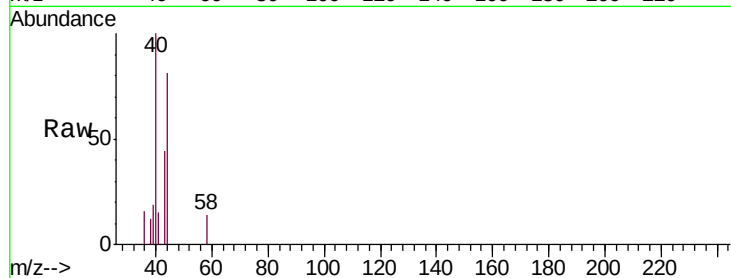




#13
Acetone
Concen: 5.214 ug/L
RT: 4.16 min Scan# 370
Delta R.T. 0.05 min
Lab File: VW014386.D
Acq: 17 Dec 2019 12:25

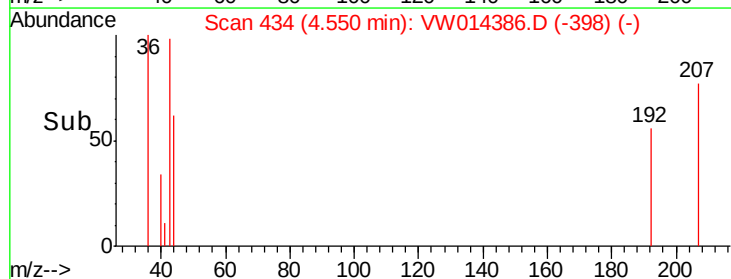
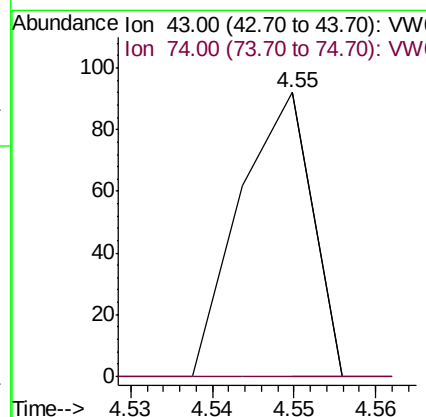
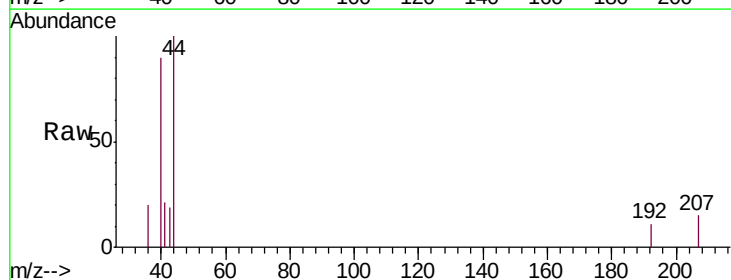
Instrument :
MSVOA_W
ClientSampled :
ETK88

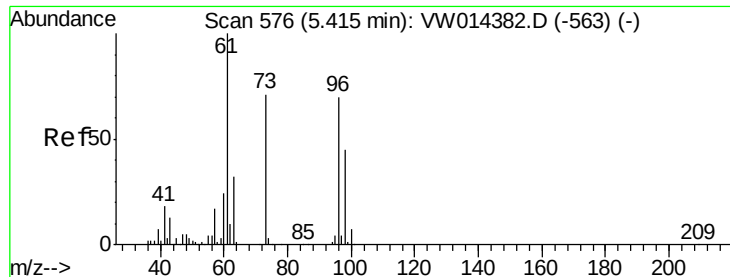
Tgt Ion: 43 Resp: 182
Ion Ratio Lower Upper
43 100
58 14.3 0.0 65.4



#15
Methyl Acetate
Concen: 0.848 ug/L
RT: 4.55 min Scan# 434
Delta R.T. -0.11 min
Lab File: VW014386.D
Acq: 17 Dec 2019 12:25

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#

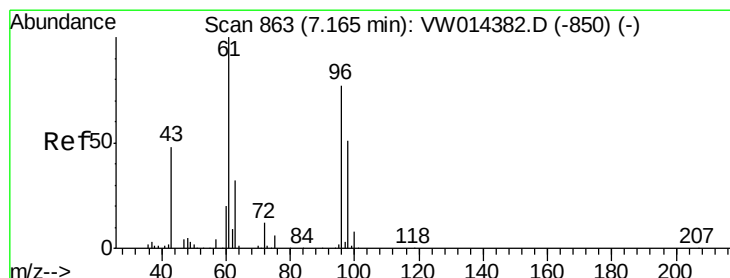
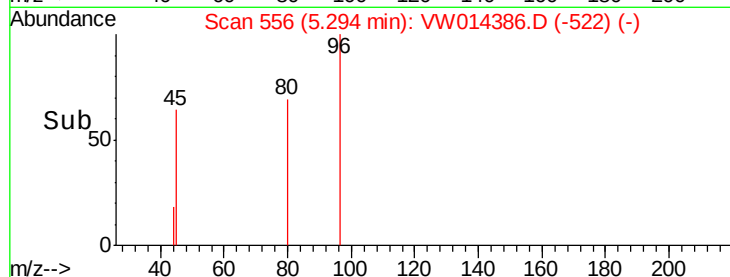
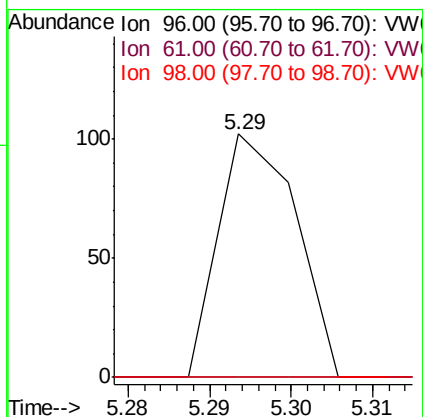
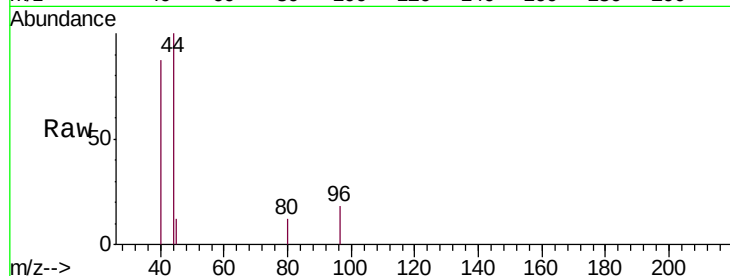




#18
trans-1,2-Dichloroethene
Concen: 0.511 ug/L
RT: 5.29 min Scan# 556
Delta R.T. -0.12 min
Lab File: VW014386.D
Acq: 17 Dec 2019 12:25

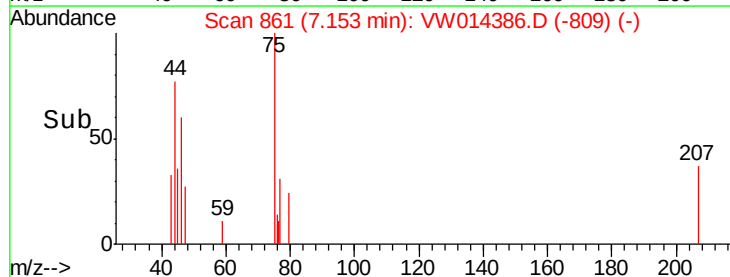
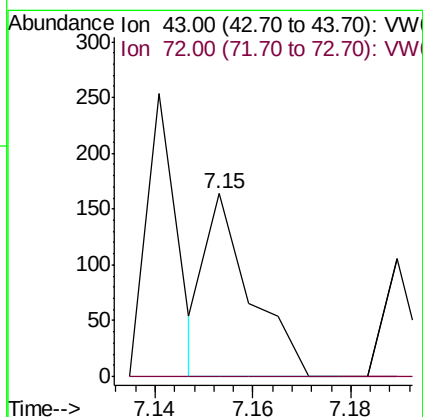
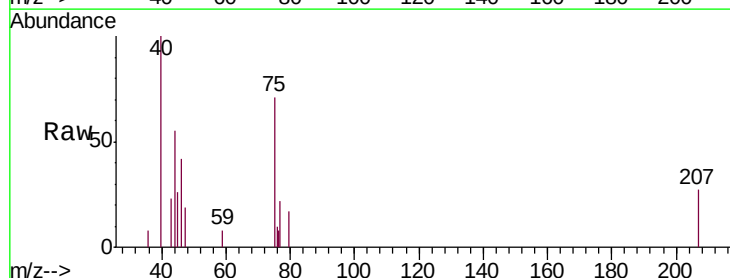
Instrument :
MSVOA_W
ClientSampled :
ETK88

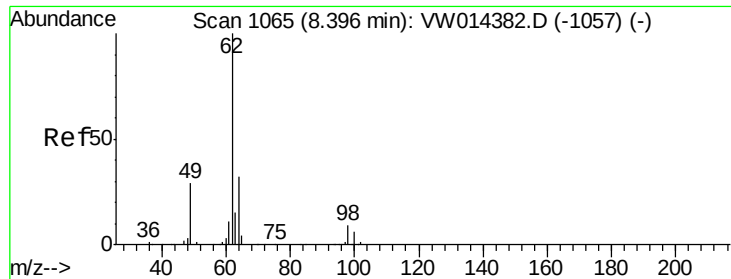
Tgt Ion: 96 Resp: 67
Ion Ratio Lower Upper
96 100
61 0.0 90.6 168.2#
98 0.0 42.9 79.7#



#21
2-Butanone
Concen: 2.219 ug/L
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW014386.D
Acq: 17 Dec 2019 12:25

Tgt Ion: 43 Resp: 104
Ion Ratio Lower Upper
43 100
72 0.0 14.1 42.2#

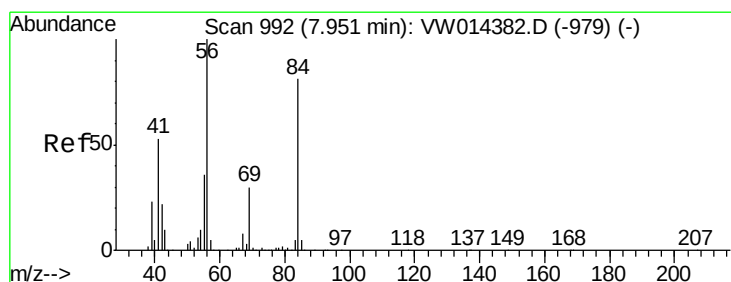
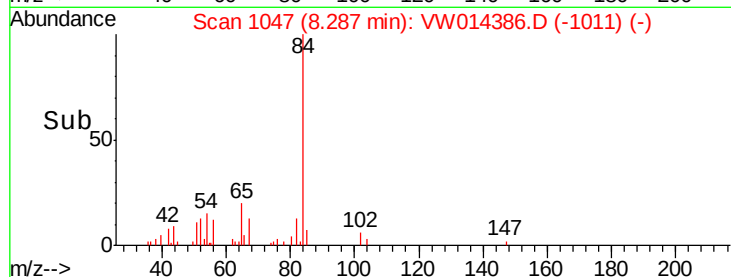
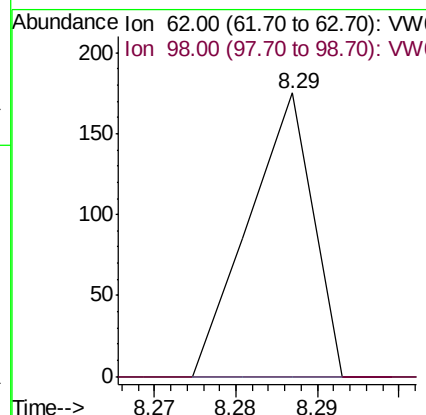
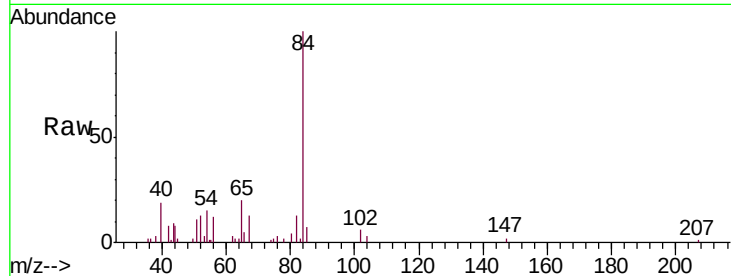




#27
 1,2-Dichloroethane
 Concen: 0.633 ug/L
 RT: 8.29 min Scan# 1047
 Delta R.T. -0.11 min
 Lab File: VW014386.D
 Acq: 17 Dec 2019 12:25

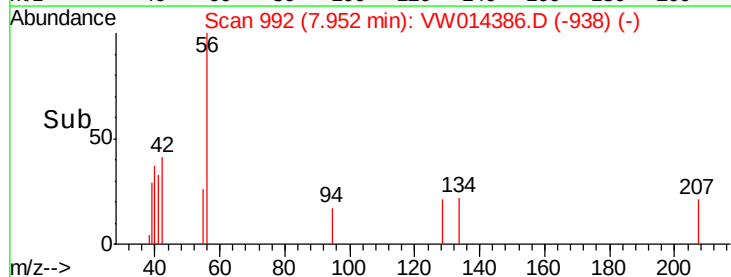
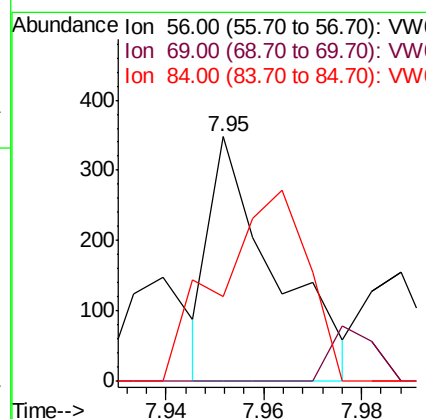
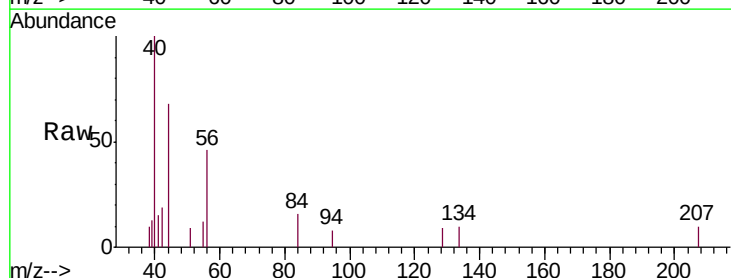
Instrument :
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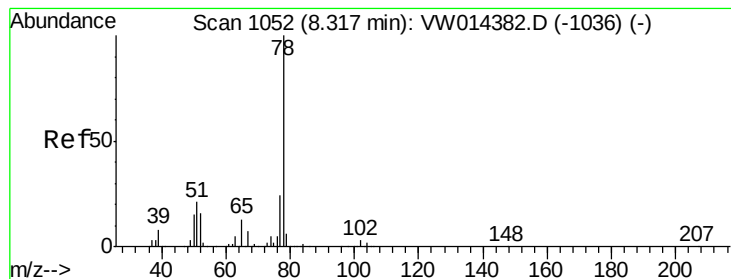
Tgt Ion: 62 Resp: 95
 Ion Ratio Lower Upper
 62 100
 98 0.0 9.3 13.9#



#30
 Cyclohexane
 Concen: 3.488 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VW014386.D
 Acq: 17 Dec 2019 12:25

Tgt Ion: 56 Resp: 319
 Ion Ratio Lower Upper
 56 100
 69 0.0 24.6 37.0#
 84 105.6 70.2 105.2#





#34

Benzene

Concen: 0.504 ug/L

RT: 8.31 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VW014386.D

Acq: 17 Dec 2019 12:25

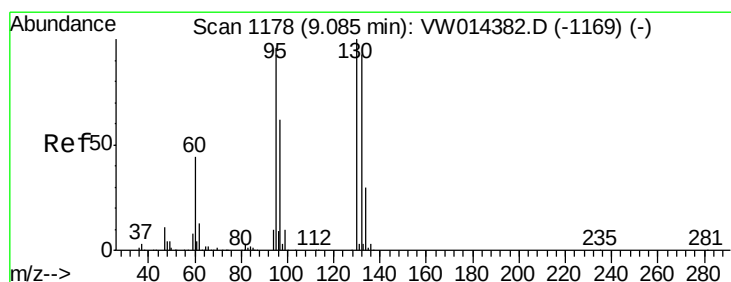
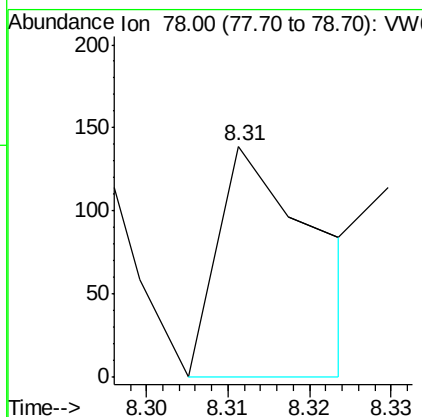
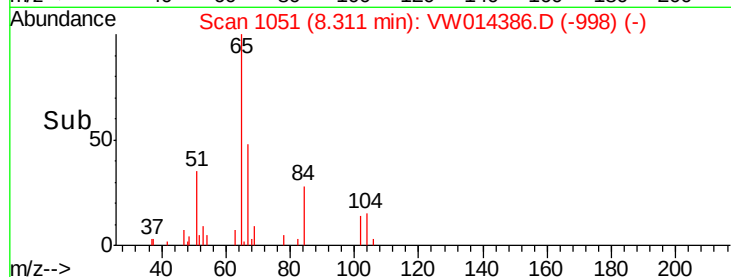
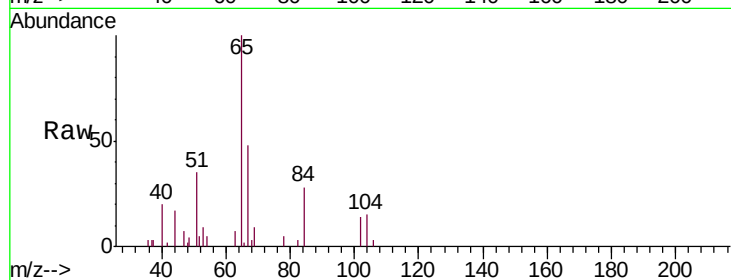
Instrument :

MSVOA_W

ClientSampled :

ETK88

Tgt Ion: 78 Resp: 117



#35

Trichloroethene

Concen: 1.449 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW014386.D

Acq: 17 Dec 2019 12:25

Tgt Ion: 95 Resp: 86

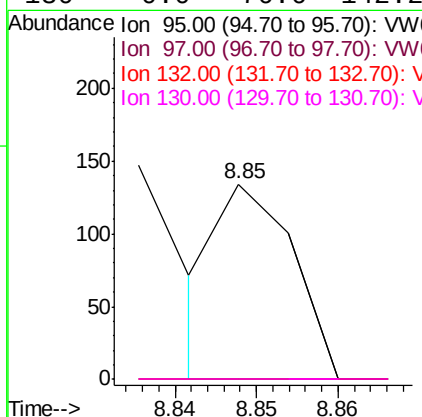
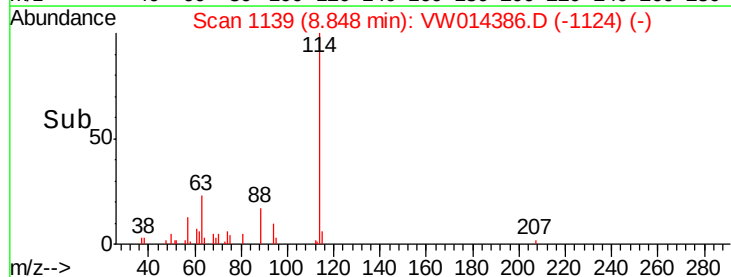
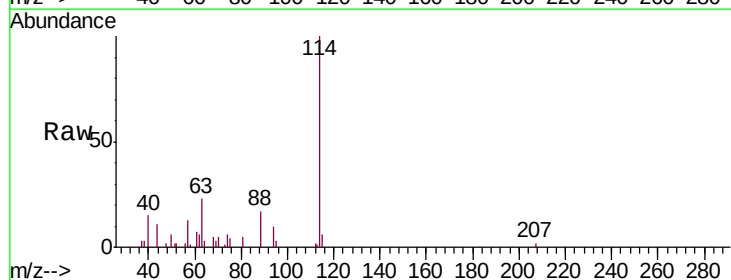
Ion Ratio Lower Upper

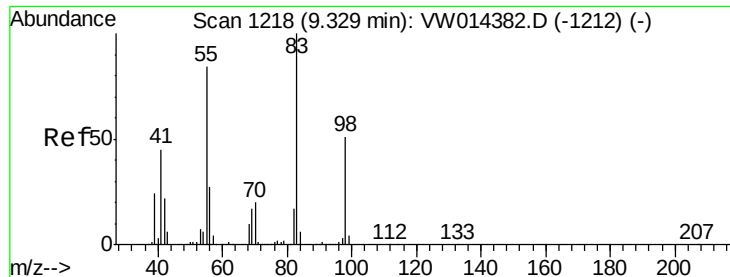
95 100

97 0.0 45.1 83.9#

132 0.0 73.7 136.9#

130 0.0 76.6 142.2#

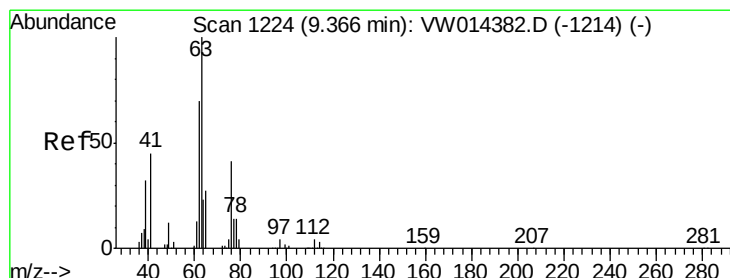
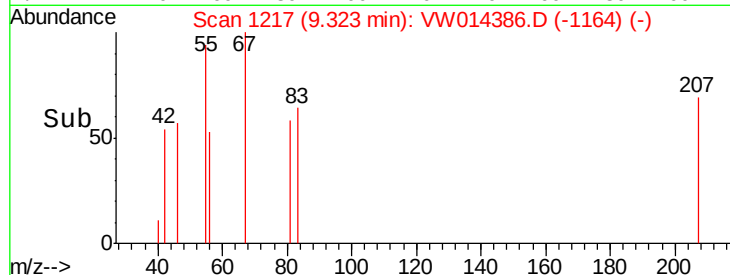
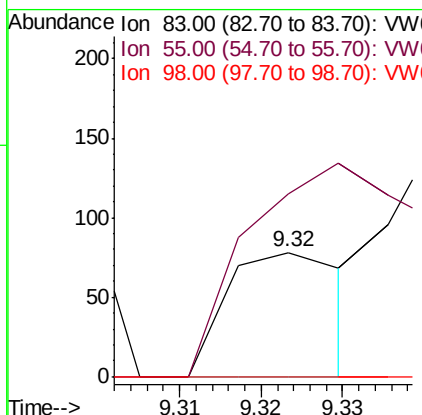
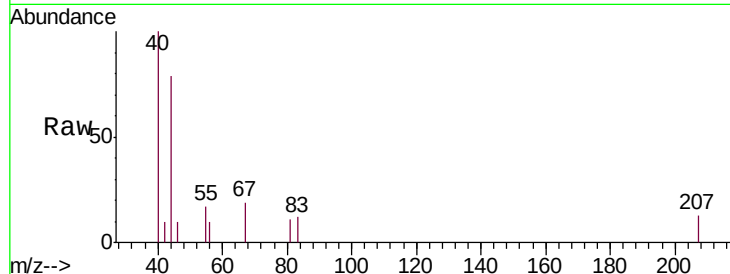




#36
Methylcyclohexane
Concen: 0.792 ug/L
RT: 9.32 min Scan# 1217
Delta R.T. -0.01 min
Lab File: VW014386.D
Acq: 17 Dec 2019 12:25

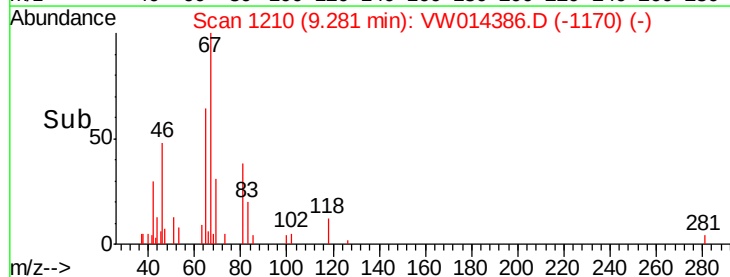
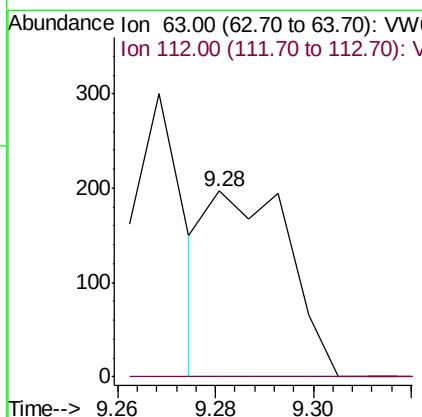
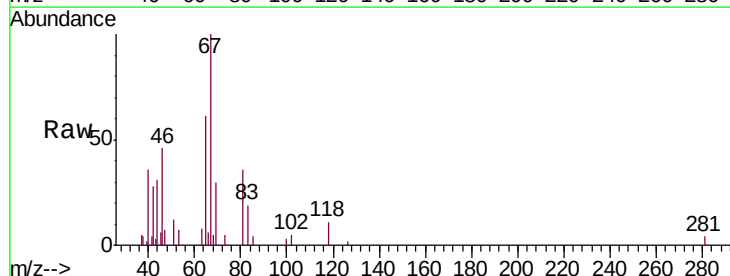
Instrument :
MSVOA_W
ClientSampled :
ETK88

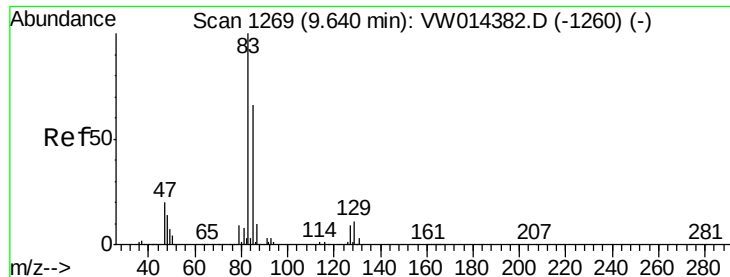
Tgt Ion: 83 Resp: 79
Ion Ratio Lower Upper
83 100
55 257.0 59.8 89.8#
98 0.0 39.5 59.3#



#40
1,2-Dichloropropane
Concen: 3.842 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.09 min
Lab File: VW014386.D
Acq: 17 Dec 2019 12:25

Tgt Ion: 63 Resp: 229
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#





#41

Bromodichloromethane

Concen: 1.643 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. -0.30 min

Lab File: VW014386.D

Acq: 17 Dec 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

ETK88

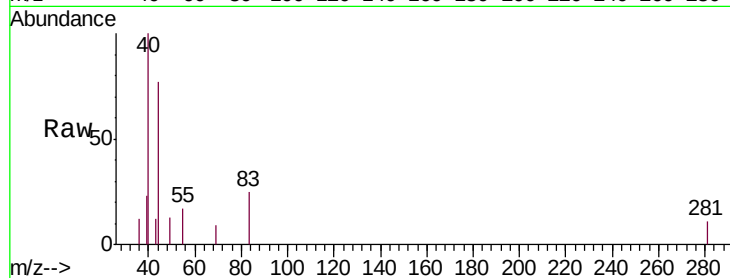
Tgt Ion: 83 Resp: 119

Ion Ratio Lower Upper

83 100

85 0.0 45.1 83.7#

127 0.0 7.4 11.0#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW

9.34

150

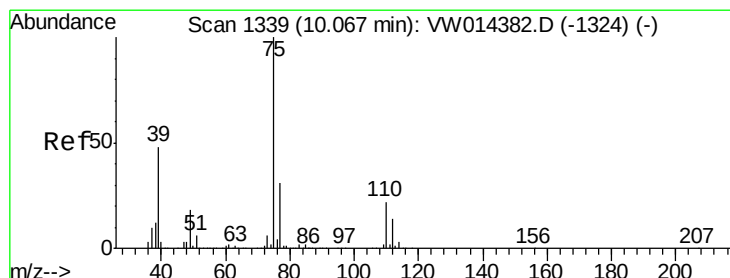
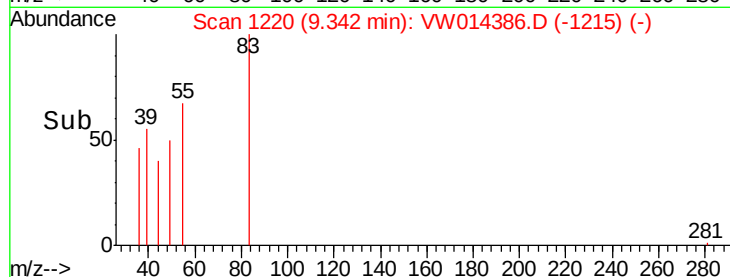
100

50

0

9.32 9.33 9.34 9.35 9.36

Time-->



#42

cis-1,3-Dichloropropene

Concen: 0.504 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.03 min

Lab File: VW014386.D

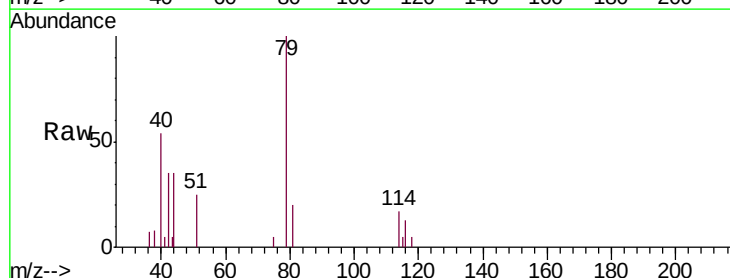
Acq: 17 Dec 2019 12:25

Tgt Ion: 75 Resp: 45

Ion Ratio Lower Upper

75 100

77 0.0 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

80

60

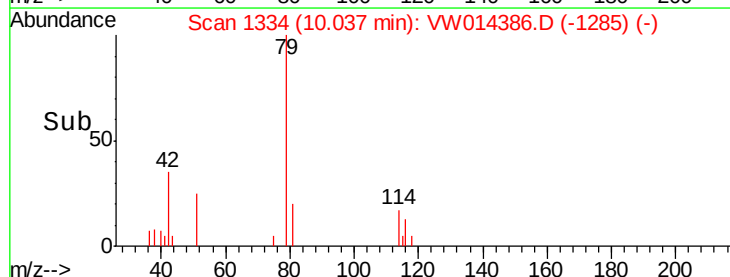
40

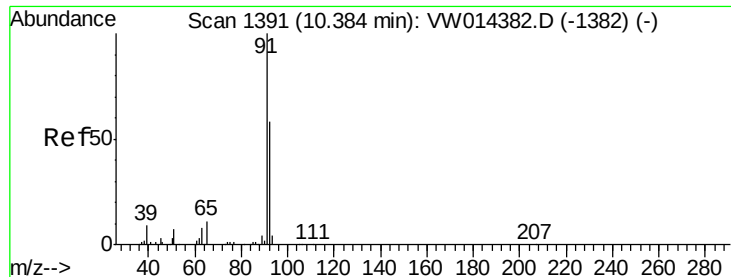
20

0

10.02 10.03 10.04

Time-->





#44

Toluene

Concen: 0.880 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW014386.D

Acq: 17 Dec 2019 12:25

Instrument :

MSVOA_W

ClientSampled :

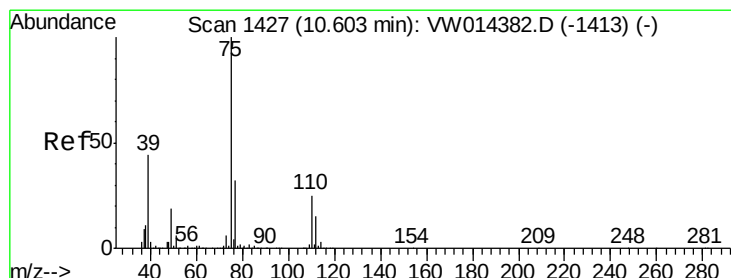
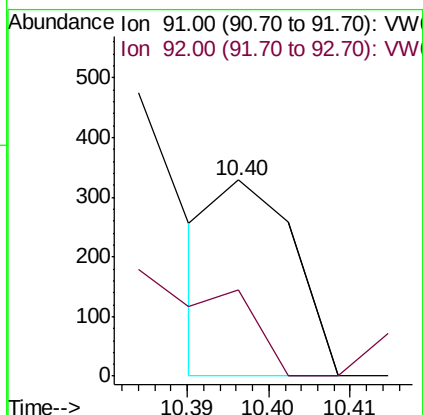
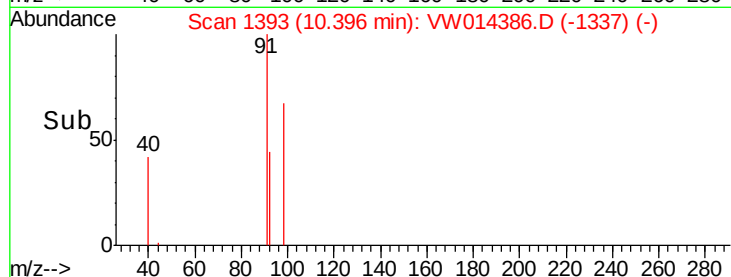
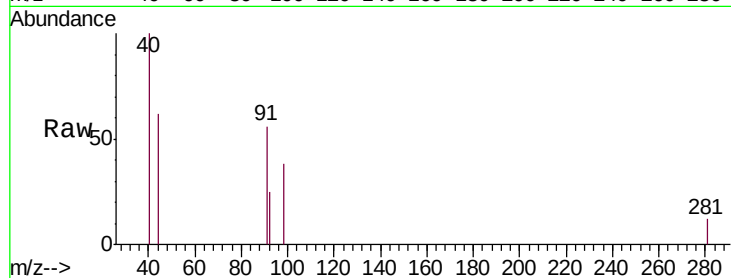
ETK88

Tgt Ion: 91 Resp: 214

Ion Ratio Lower Upper

91 100

92 44.2 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 1.315 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW014386.D

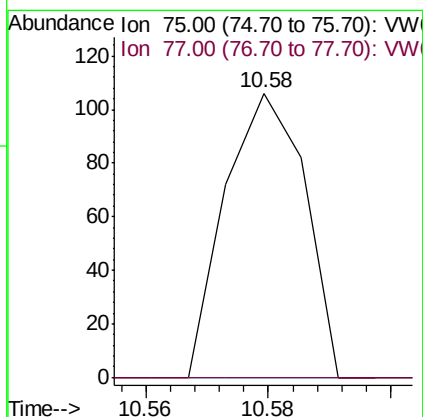
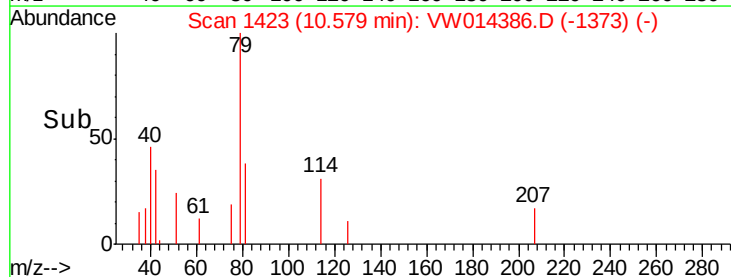
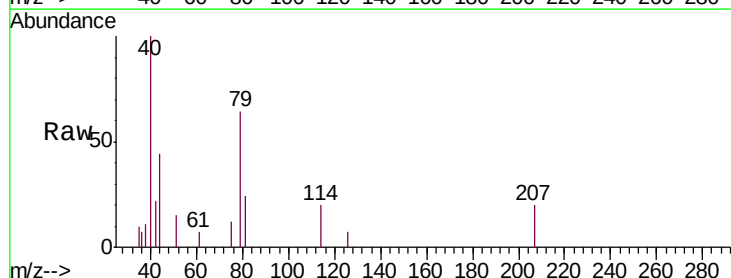
Acq: 17 Dec 2019 12:25

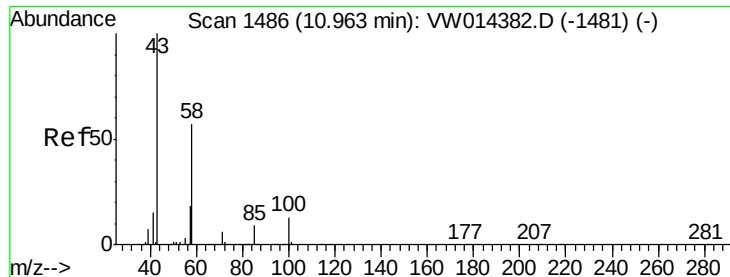
Tgt Ion: 75 Resp: 95

Ion Ratio Lower Upper

75 100

77 0.0 21.8 40.6#





#49

2-Hexanone

Concen: 4.432 ug/L

RT: 10.95 min Scan# 1484

Delta R.T. -0.01 min

Lab File: VW014386.D

Acq: 17 Dec 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

ETK88

Tgt Ion: 43 Resp: 124

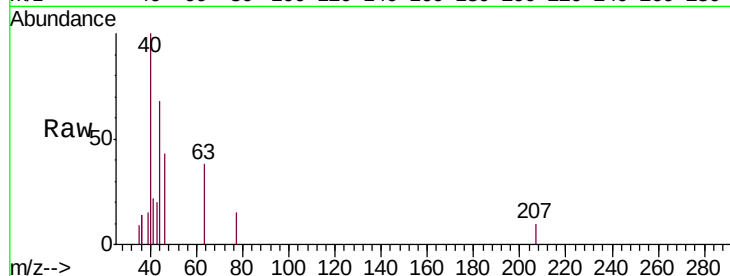
Ion Ratio Lower Upper

43 100

58 0.0 44.4 66.6#

57 0.0 16.5 24.7#

100 0.0 11.1 16.7#

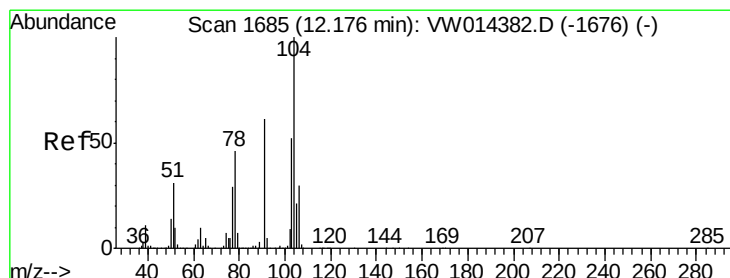
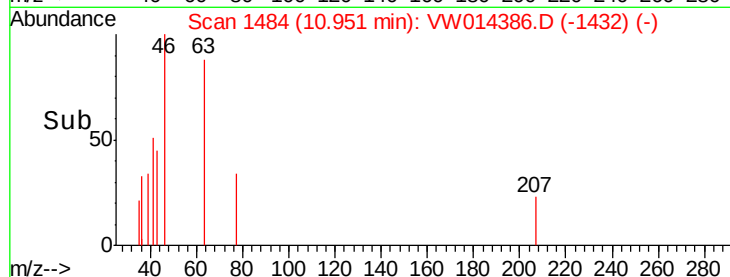
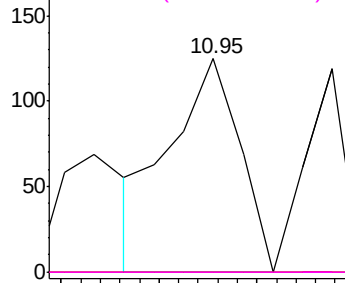


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#56

Styrene

Concen: 0.310 ug/L

RT: 12.10 min Scan# 1672

Delta R.T. -0.08 min

Lab File: VW014386.D

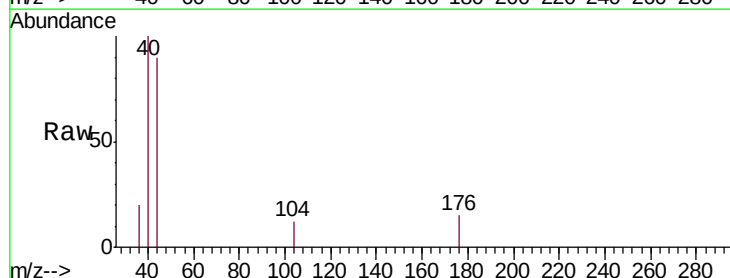
Acq: 17 Dec 2019 12:25

Tgt Ion: 104 Resp: 51

Ion Ratio Lower Upper

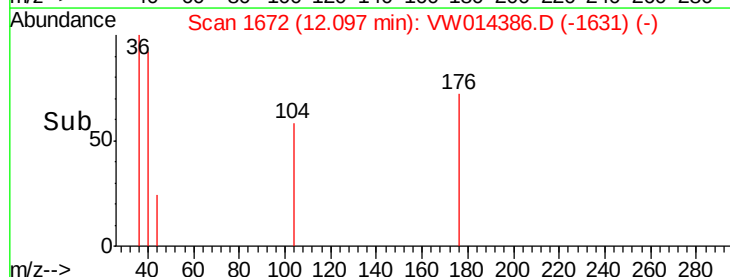
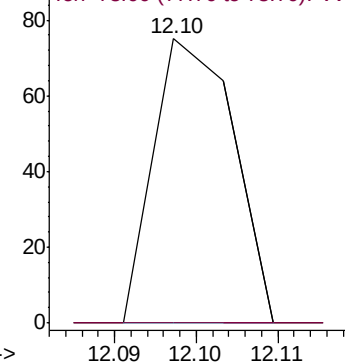
104 100

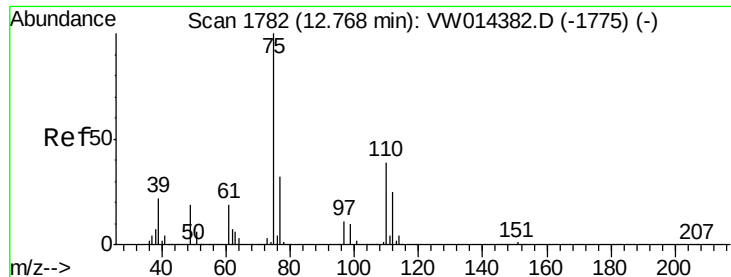
78 0.0 30.6 56.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

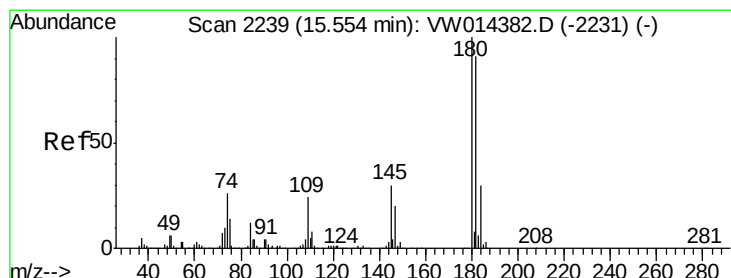
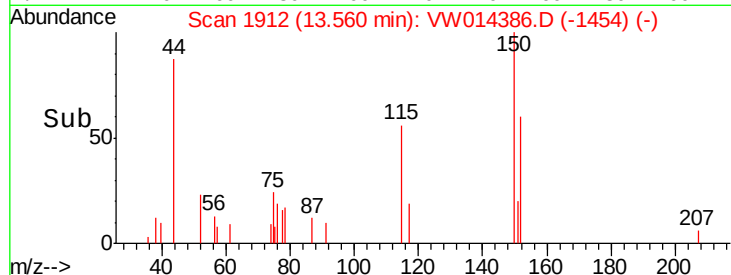
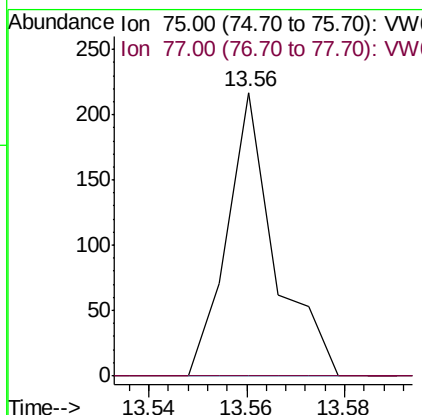
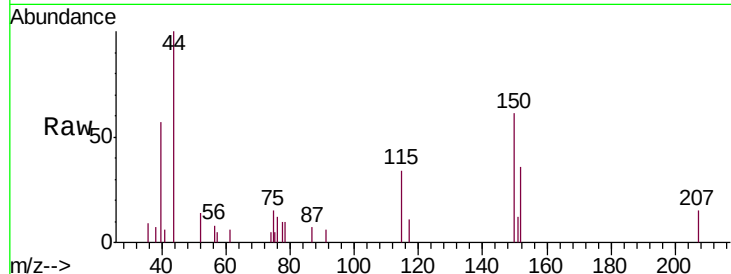




#59
 1,2,3-Trichloropropane
 Concen: 3.569 ug/L
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.79 min
 Lab File: VW014386.D
 Acq: 17 Dec 2019 12:25

Instrument :
 MSVOA_W
 ClientSampled :
 ETK88

Tgt Ion: 75 Resp: 147
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.9 38.9



#70
 1,2,3-Trichlorobenzene
 Concen: 2.186 ug/L
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW014386.D
 Acq: 17 Dec 2019 12:25

Tgt Ion: 180 Resp: 69
 Ion Ratio Lower Upper
 180 100
 182 0.0 75.8 113.6#
 145 78.3 24.0 36.0#

